

The invention relates to a dark radiator comprising a burner (1), a fan (3) and a radiant tube (4), wherein the burner (1) is connected to a fuel gas supply, wherein the fan (3) is designed to supply the burner (1) with combustion air, wherein the burner (1) is designed to output a flame (6) into the radiant tube (4), wherein the fuel gas supply (2) is connected to a hydrogen source as a fuel gas source and has a gas nozzle (21), and wherein an ignition device (11) is arranged spaced apart from the gas nozzle (21), without the existence of a flame holder.